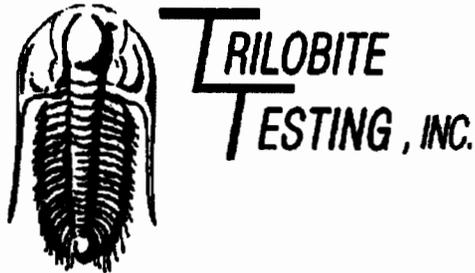


15-083-21692

2-21s-25w



### DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum, LTD**

225 N Market Ste300  
Wichita, KS 67202

ATTN: Jamie Hess

**2-21-25 Hodgeman, KS**

**Doll #1-2**

Start Date: 2011.03.06 @ 10:00:31

End Date: 2011.03.06 @ 18:45:16

Job Ticket #: 040715          DST #: 1

**KCC**  
**APR 04 2011**  
**CONFIDENTIAL**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED**  
**APR 05 2011**  
**KCC WICHITA**

Pintail Petroleum, LTD

Doll #1-2

2-21-25 Hodgeman, KS

DST # 1

Miss

2011.03.06



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Pintail Petroleum, LTD

225 N Market Ste300  
Wichita, KS 67202

ATTN: Jamie Hess

Doll #1-2

2-21-25 Hodgeman, KS

Job Ticket: 040715

DST#: 1

Test Start: 2011.03.06 @ 10:00:31

### GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:56:46

Time Test Ended: 18:45:16

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **55**

Interval: **4440.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Total Depth: **4470.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2344.00 ft (KB)**

**2339.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6771**

**Outside**

Press@RunDepth: **208.01 psig @ 4441.00 ft (KB)**

Start Date: **2011.03.06**

End Date: **2011.03.06**

Capacity: **8000.00 psig**

Last Calib.: **2011.03.06**

Start Time: **10:00:31**

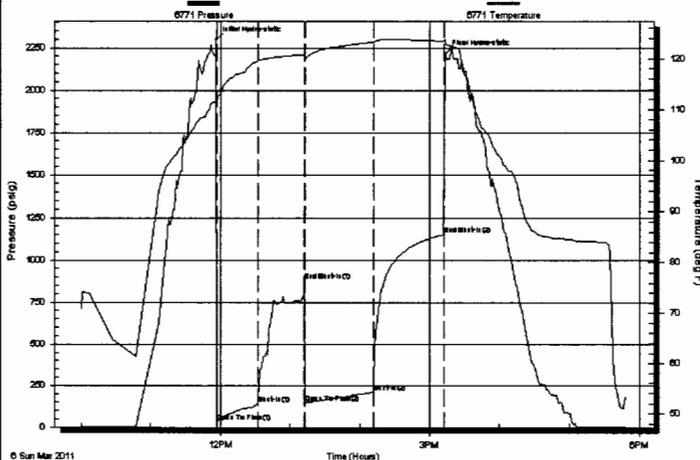
End Time: **17:49:16**

Time On Btm: **2011.03.06 @ 11:56:31**

Time Off Btm: **2011.03.06 @ 15:13:16**

TEST COMMENT: B.O.B. in 26 min.  
4" in return  
B.O.B. in 14 min.  
1 1/2" in return

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2294.44	111.77	Initial Hydro-static
1	30.26	111.35	Open To Flow (1)
36	142.49	119.58	Shut-In(1)
76	877.92	120.76	End Shut-In(1)
77	148.36	120.38	Open To Flow (2)
136	208.01	123.19	Shut-In(2)
196	1150.48	123.43	End Shut-In(2)
197	2211.76	123.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	s g m c o 10%g 40%m 50%o	0.30
120.00	s m c g o 15%m 15%g 70%o	0.59
315.00	c g o 15%g 85%o	3.84
0.00	285' gas in pipe	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

Doll #1-2

225 N Market Ste300  
Wichita, KS 67202

2-21-25 Hodgeman, KS

Job Ticket: 040715

DST#: 1

ATTN: Jamie Hess

Test Start: 2011.03.06 @ 10:00:31

### Tool Information

Drill Pipe:	Length: 4205.00 ft	Diameter: 3.80 inches	Volume: 58.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4440.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4419.00	
Shut In Tool	5.00			4424.00	
Hydraulic tool	5.00			4429.00	
Safety Joint	2.00			4431.00	
Packer	5.00			4436.00	22.00 Bottom Of Top Packer
Packer	4.00			4440.00	
Stubb	1.00			4441.00	
Recorder	0.00	6771	Outside	4441.00	
Recorder	0.00	6667	Inside	4441.00	
Perforations	24.00			4465.00	
Bullnose	5.00			4470.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pintail Petroleum, LTD

**Doll #1-2**

225 N Market Ste300  
Wichita, KS 67202

**2-21-25 Hodgeman, KS**

Job Ticket: 040715

**DST#: 1**

ATTN: Jamie Hess

Test Start: 2011.03.06 @ 10:00:31

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s g m c o 10%g 40%m 50%o	0.295
120.00	s m c g o 15%m 15%g 70%o	0.590
315.00	c g o 15%g 85%o	3.845
0.00	285' gas in pipe	0.000

Total Length: 495.00 ft      Total Volume: 4.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

Outside

Pintail Petroleum, LTD

2-21-25 Hodgeman, KS

DST Test Number: 1

### Pressure vs. Time

